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NOTICE OF ALLOWANCE AND FEE(S) DUE

23122 7590 RATNERPRESTIA P.O. BOX 980

10/28/2010

EXAMINER ELVE MARIA ALEXANDRA

PAPER NUMBER

ARTHNIT DATE MAILED: 10/28/2010

VALLEY FORGE, PA 19482

APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO 10/812,113 03/29/2004 Ming Li MATB-401US

TITLE OF INVENTION: METHOD AND APPARATUS OF DRILLING HIGH DENSITY SUBMICRON CAVITIES USING PARALLEL LASER BEAMS

APPLN, TYPE SMALL ENTITY ISSUE FEE DUE PUBLICATION FEE DUE PREV. PAID ISSUE FEE TOTAL FEE(S) DUE DATE DUE nonprovisional NO \$1510 \$300 \$1810 01/28/2011

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown

B. If the status above is to be removed, check box 5b on Part B -Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

INSTRUCTIONS: This appropriate. All further indicated unless correcte maintenance fee notificat	correspondence including d below or directed off	or tran ig the l icrwise	smitting the ISSU Patent, advance or in Block 1, by (a	TE FEE and PUBLIS ders and notification () specifying a new of	CATI of m	ON FEE (if requinaintenance fees w pondence address;	red). E ill be and/or	Hocks 1 through 5 sh mailed to the current (b) indicating a sepa	tould be completed where correspondence address as rate "FEE ADDRESS" for	
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)						Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.				
RATNERPRES P.O. BOX 980 VALLEY FORC		/2010			I bor	Cert	ificate	of Mailing or Transı		
									(Depositor's name)	
									(Signature)	
									(Date)	
APPLICATION NO.	FILING DATE			FIRST NAMED INVEN	NTOR		ATTO	RNEY DOCKET NO.	CONFIRMATION NO.	
10/812,113	03/29/2004		Ming Li			MATB-40IUS			1523	
TITLE OF INVENTION BEAMS	N: METHOD AND A	PPARA	TUS OF DRILLI	NG HIGH DENSIT	ry st	JBMICRON CAV	ITIES	USING PARALLEL	LASER	
APPLN, TYPE	SMALL ENTITY	IS:	SUE FEE DUE	PUBLICATION FEE I	DUE	PREV. PAID ISSUE	FEE	TOTAL FEE(S) DUE	DATE DUE	
nonprovisional	NO		\$1510	\$300		\$0		\$1810	01/28/2011	
EXAM	INER		ART UNIT	CLASS-SUBCLAS	S					
ELVE, MARIA	ELVE, MARIA ALEXANDRA		3742 219-1217							
"Fee Address" indi PTO/SB/47; Rev 03-0 Number is required. 3. ASSIGNEE NAME A	ondence address (or Cha 1/122) attached. cation (or "Fee Address 2 or more recent) attach ND RESIDENCE DAT. ess an assignee is ident n in 37 CFR 3.11. Comp	nge of ' ' Indicated. Use	Correspondence ation form of a Customer E PRINTED ON T	(1) the names of or agents OR, alte (2) the name of a registered attorne 2 registered paten listed, no name wi	up to rnativ single y or a t attor ill be or typ the pa	e firm (having as a gent) and the name meys or agents. If a printed. e) tent. If an assigna- assignment.	memb s of up to nam	er a 2	ocument has been filed for	
Please check the appropri	ate assignee category or	catego	ries (will not be pr	inted on the patent):	ū	Individual 🚨 Co	rporati	on or other private gro	up entity Government	
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	SMALL ENTITY state	is. See	37 CFR 1.27.	☐ b. Applicant is n	o long	ger claiming SMAI	LENT	FITY status. See 37 CF	R 1.27(g)(2).	
NOTE: The Issue Fee and interest as shown by the r	I Publication Fee (if req ecords of the United Sta	uired) v tes Pate	will not be accepted ent and Trademark	from anyone other t Office.	than th	ne applicant; a regi	stered a	ittorney or agent; or th	e assignee or other party in	
Authorized Signature						Date				
Typed or printed name						Registration N	o			
This collection of inform an application. Confident submitting the completed this form and/or suggesti Box 1450, Alexandria, V Alexandria, Virginia 223	ation is required by 37 C iality is governed by 35 application form to the ons for reducing this bu irginia 22313-1450. DO 13-1450.	FR 1.3 U.S.C. USPT rden, sh O NOT	11. The information 122 and 37 CFR O. Time will vary nould be sent to the SEND FEES OR O	on is required to obtai 1.14. This collection depending upon the e Chief Information C COMPLETED FORM	n or re is esti indiv Office 4S TC	etain a benefit by the imated to take 12 m idual case. Any co r, U.S. Patent and D'THIS ADDRESS	ne publ ninutes mment Fraden . SENI	ic which is to file (and to complete, including s on the amount of tin ark Office, U.S. Depa D TO: Commissioner f	by the USPTO to process) g gathering, preparing, and ne you require to complete atment of Commerce, P.O. for Patents, P.O. Box 1450,	

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PTOL-85 (Rev. 08/07) Approved for use through 08/31/2010.



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UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS

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APPLICATION N	0.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/812,113		03/29/2004	Ming Li	MATB-401US	1523	
23122	7590	0 10/28/2010		EXAMINER		
RATNERPI	RESTIA		ELVE, MARIA ALEXANDRA			
P.O. BOX 98			ART UNIT	PAPER NUMBER		
VALLEY FC	ORGE, PA	19482	3742			
				DATE MAILED: 10/28/2010		

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 1316 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 1316 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Notice of Allowability

Application No.	Applicant(s)
10/812,113	LI ET AL.
Examiner	Art Unit
M Alexandra Elve	37/12

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--All claims being allowable. PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative

- of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.
- This communication is responsive to 6/17/10 BPAI Decision.
- The allowed claim(s) is/are 1,5-14,16-20,22,23,25-29 and 32-34.
- 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) \square All b) ☐ Some* c) ☐ None of the:
 - 1. T Certified copies of the priority documents have been received.
 - 2. Certified copies of the priority documents have been received in Application No.
 - 3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
 - * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

- A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
- CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) Including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) hereto or 2) to Paper No./Mail Date
 - (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6.

DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- 1. | Notice of References Cited (PTO-892)
- 2. Notice of Draftperson's Patent Drawing Review (PTO-948)
- Information Disclosure Statements (PTO/SB/08).
- Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit
- of Biological Material
- 5. Notice of Informal Patent Application
- Interview Summary (PTO-413), Paper No./Mail Date
- 7.

 Examiner's Amendment/Comment
- 8. T Examiner's Statement of Reasons for Allowance
- Other . October 9, 2010.

/M. Alexandra Elve/ Primary Examiner, Art Unit 3742